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FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 09:14:44 ON 14 AUG 2003

L1 28082 S MALATE (2N) DEHYDROGENASE
L2 37 S L1 AND (INCOGNITA)
L3 24 DUP REM L2 (13 DUPLICATES REMOVED)

=> s l3 and meloidogyne

L4 24 L3 AND MELOIDOGYNE

=> d bib abs 1-24

L4 ANSWER 23 OF 24 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1988:269220 BIOSIS
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TI SEQUENTIAL CHANGES IN PROTEINS OF SOYBEAN INOCULATED WITH THE ROOT-KNOT
NEMATODE **MELOIDOGYNE-INCIGNITA**.

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SO INDIAN J NEMATOL, (1987) 17 (2), 241-246.

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FS BA; OLD

LA English

AB The sequential changes in proteins of soybean were observed with an objective to establish the identity of buffer soluble enzyme proteins after inoculating with **Meloidogyne incognita**. Inoculated roots showed higher concentration of total buffer soluble protein over their respective controls (3, 7, 14, 21 and 28 days after inoculation). The ratio of inoculated/healthy was observed to be of high order (1.65), 14 days after inoculation. Disc-electrophoretic analysis showed that there were 3 additional bands which occurred 3-21 days after inoculation. The isozyme pattern of glucose-6-phosphate dehydrogenase was found to be the same in the healthy as well as in nematode inoculated root samples. Three anionic isozymes of **malate dehydrogenase** (MDH) were resolved on polyacrylamide gels from inoculated and healthy root samples. There was a pronounced increase in MDH activity in inoculated root samples over their control.

	Type	Hits	Search Text	DBs
1	BRS	1981	malate near2 dehydrogenase	USPAT; US-PGPUB; EPO; JPO; DERWENT;
2	BRS	1	(malate near2 dehydrogenase) and incognita	USPAT; US-PGPUB; EPO; JPO; DERWENT;

	Time Stamp	Comments	Error Definition	Errors
1	2003/08/14 09:44			0
2	2003/08/14 09:45			0